

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of the claims in the application:

Listing of Claims:

1. (currently amended) A method for recording a pattern, comprising:
determining an illumination scheme in response to the pattern; and
directing, in response to the determination, at least one focused beam of radiation having a first cross-section towards onto an intermediate layer, said intermediate layer comprising a saturable absorber that allows, said saturable absorber configured to allow only a portion of said beam, said portion having a second cross-section, to propagate towards a radiation sensitive layer; ~~wherein the, said portion has a second cross-section that is being~~ smaller than the first cross-section.
2. (canceled)
3. (original) The method of claim 1 wherein the second cross-section is about half of the first cross-section.
4. (original) The method of claim 1 further comprising altering an intensity of the beam of radiation to achieve a certain second cross-section.
5. (currently amended) A system for recording a pattern, comprising:
a controller, for determining an illumination scheme in response to the pattern; and
optics, coupled to the controller, for directing, in response to the determination, at least one beam of radiation having a first cross-section towards a saturable absorber ~~that allows, said~~ saturable absorber configured to allow only a portion of said beam, said portion having a second cross-section, to propagate towards a radiation sensitive layer; ~~wherein the, said portion has a second cross-section that is being~~ smaller than the first cross-section.

6. (canceled) .
7. (original) The system of claim 5 wherein the second cross-section is about half of the first cross-section.
8. (original) The system of claim 5 wherein the controller is adapted to control an intensity of the beam of radiation to achieve a certain second cross-section.
9. (new) A method for recording a pattern, comprising:
determining an illumination scheme in response to the pattern; and
directing, in response to the determination, at least one beam of radiation having a
fundamental frequency, via a medium, towards an intermediate layer, so as to excite at least one
third harmonic beam to propagate through at least a portion of the intermediate layer towards a
radiation sensitive layer, wherein the radiation sensitive layer is sensitive to third harmonic
radiation and is substantially not sensitive to radiation of the fundamental frequency.